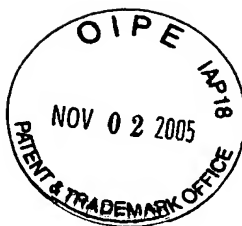


Patent Application No. 10/516,799
Paper Dated October 31, 2005
Attorney Docket No. 4375-045835



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/516,799 Confirmation No. 7350
Applicant : Csaba Szeles et al.
Filed : July 27, 2005
Title : Radiation Detector
Group Art Unit : 2878
Examiner : Not Yet Assigned
Customer No. : 28289

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

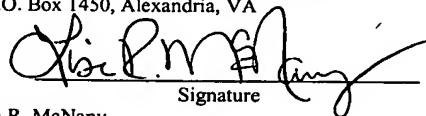
INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the requirements of 37 CFR §§ 1.56, 1.97, and 1.98, Applicants hereby submit this Information Disclosure Statement, which includes a completed Form PTO/SB/08A and one copy of each non-patent reference identified therein.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on October 31, 2005
Date


Signature

Lisa R. McNany
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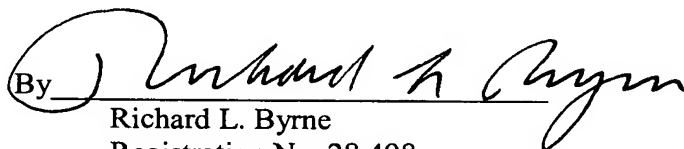
Patent Application No. 10/516,799
Paper Dated October 31, 2005
Attorney Docket No. 4375-045835

This application is the United States national phase of PCT Application No. PCT/US03/18225, filed June 10, 2003, claiming a priority date of June 10, 2002, corresponding to United States Provisional Application No. 60/387,661. The United States patent references identified in Form PTO/SB/08A were cited in an International Search Report dated November 5, 2003, in the underlying PCT application. These references were designated as "Category A" state-of-the-art references in the International Search Report, indicating that these references were not considered to be of particular relevance. A copy of the International Search Report is attached hereto for the Examiner's convenience. Abstracts of the non-patent references identified in Form PTO/SB/08A are enclosed herewith. However, no abstract of the article entitled "Gallium Arsenide Radiation Detectors and Spectrometers" is provided, as this reference is not readily available to the Applicants. Of note, this reference stands for the notion that prior art radiation detectors fabricated from semi-insulating III-V compounds (i.e. GaAs) are hampered by low-resistivity and limited active depletion regions.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before the mailing date of a first Office Action on the merits. The Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

THE WEBB LAW FIRM

By 

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/516,799
				Filing Date	July 27, 2005
				First Named Inventor	Csaba Szeles
				Art Unit	2878
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	4375-045835

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	5	AVELLA et al., "Uniformity and Physical Properties of Semi-Insulating Fe-doped InP After Wafer and Ingot Annealing", Journal of Applied Physics, 1997, pp. 3836-3845, Vol. 82. No. 8, USA.	
	6	MCGREGOR, et al., "Gallium Arsenide Radiation Detectors and Spectrometers", Semiconductors and Semimetals, 1995, p. 383, Vol. 43.	
	7	PAPASTAMATIOU et al., "Recombination Mechanism and Carrier Lifetimes of Semi-Insulating GAAS-CR", Journal of Applied Physics, 1990, pp. 1094-1098, Vol. 68 No. 3, USA.	
	8	MARFAING, Y., "Models of Donor Impurity Compensation in Cadmium Telluride", Revue de Physique Appliquee, Feb. 1977, pp. 211-17, Vol. 12 No. 2, France.	
	9	CHERN et al., "The Defect Structure of CdTe: Hall Data", Journal of Solid State Chemistry", May 1975, pp. 33-43, Vol. 14 No. 1, USA.	
	10	SIFFERT et al., "Cadmium Telluride Nuclear Radiation Detectors", IEEE Transactions on Nuclear Science, Feb. 1975, pp. 211-25, Vol. 22 No. 1, USA.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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